



## COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
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**URBANNA CREEK**  
**Middlesex County**  
**Shoreline Sanitary Survey**  
**Growing Area #29**

**Date:** April 5, 2005  
**Survey Period:** January 25, 2005 – March 11, 2005  
**Total Number of Properties Surveyed:** 544  
**Surveyed By:** D.R. Beuchelt

### **SECTION A: GENERAL**

This survey extends from Reference Point 30 (End of Rappahannock Avenue, T-1001) to Reference Point 31 (Bailey Pt., Rt. 1070) and includes the shoreline and all of the tributaries (within a designated boundary line drawn by the Division of Shellfish Sanitation) of Urbanna Creek located in Middlesex County, Virginia. To follow the survey flow, a copy of the 911 map used to locate and record the properties is included. A field number is recorded and highlighted on the 911 map adjacent to the 911 street numbers.

The topography of the area surveyed begins with an elevation of 3' at the mouth of Urbanna Creek and reaches 100' at the highest elevation within the boundary line.

Meteorological data indicated that a total of 4.40 " precipitation fell during the survey period, with totals of .90 " January 25 to January 31, 2005, 1.60 " during February and 1.90" March 1 to March 11, 2005.

Since the last survey was conducted in 1998, this area has been subjected to environmental changes. Remnants of hurricanes and tropical storms have caused erosion in areas and destroyed marinas and docks. Urbanna, Virginia has pictures on their web site that shows effects of Hurricane Isabel that hit in September 2003. Therefore, the boating activity has changed somewhat. Marinas in existence back in 1998 are gone. New construction has begun in some of these places by new ownership of the properties. This survey found that the Town of Urbanna has acquired new properties and is in the process of replacing the docks and facilities.

While surveying in the Garnett Hill area, the dock was checked that was built years ago to serve the (Garnett Hill Area Association) homeowners. It was found that Mr. Floyd Ward, whose name was responsible for the dock, had passed away four years prior to this survey. According to Mr. Jimmy Pitts and Mr. Larry Shores, Jr., adjacent landowners to this dock, the dock was built many years ago, back before permits were issued. The dock is used by the landowners in the Garnett Hill subdivision. At the present time, there is no one taking responsibility for the dock.

The Laurel Hill Homeowners Association boat dock has never been constructed. During the last survey, plans were being proposed for the new dock. As of this date, all plans have been terminated.

There are currently two Sewage Treatment Facilities located within the boundary lines of this survey. The town of Urbanna and a portion of Beth-Page campground (which is located in Area # 28) are served by the HRSD Town of Urbanna Wastewater Treatment Plant, VPDES Permit # VA0026263. According to 1999 figures, the plant has 455 connections and serves a population of 1000. The plant is a Municipal Facility which shares Class I to Class 4 Operators with the Mathews WWTP. It should be noted that this plant uses a Trojan UV 2000 system for disinfection which is monitored by a insitu intensity monitor. Final effluent discharge is into Urbanna Creek. A copy of the latest DEQ inspection is attached with this report.

The second STF is located at the Middle Peninsula Regional Security Center in Saluda, Virginia. This facility has upgraded their STF since the last survey. In 1998 the complex served a population of 99 people. The treatment facility, at that time, consisted of a Purestream, Inc. extended aeration package treatment plant. At the time of this current survey, it was found that the STF serves 200-230 people. A copy of the Virginia Environmental Excellence Award report included will show that Sodium Thiosulfate is added by a chemical feeder to counteract negative biological effects of chlorine in the wastewater while it is in the equalization basin. The report will also show that the wastewater is disinfected in the chlorine contact tank by passing the water through a tablet feeder that contains water soluble tablets of chlorine. It states that detention time is "at least 30 minutes". From there the water is subjected a De-Chlorination tablet feeder to neutralize the remaining chlorine before discharge into a stream that flows into Urbanna Creek.

There is no Sewage Treatment Facility for the Town of Saluda, Virginia. Currently, the Board of Supervisors of the County of Middlesex has a Permanent Pump and Haul Agreement and General Permit issued by the State Health Commissioner for the Middlesex County Courthouse Complex which includes the following structures: the Middlesex County Courthouse, the Woodward Building, the Maintenance Building and the Sheriff's Office. A copy of this agreement is included with this report.

The current restriction on shellfish harvesting is Condemnation Number 029-042 which became effective 17 February 2005. A copy of that notice is included with this report.

Copies of Hydrographic and Bacteriological data are not required, but are attached. The data covers the period of 11/10/03 to 02/01/05.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

## SECTION B: SEWAGE POLLUTION SOURCES

### SEWAGE TREATMENT FACILITIES

13. **DIRECT** – HRSD Town of Urbanna Wastewater Treatment Plant, c/o Mr. Zack Crowell, Superintendent, Middle Peninsula Hampton Roads District, PO Box 387, Hartfield, Virginia 23071-0387. Population served -1000 (1999 figure). VPDES Permit #VA0026263. Treatment processing involves screening, (the comminuter has been removed and replaced with small squares of wire mesh which are changed daily), grit removal, flow equalization, activated sludge aeration, sedimentation, aerobic digestion, drying beds, flow measurement, ultraviolet disinfection, sewage pumping and effluent/plant outfall (submerged) to Urbanna Creek. The sludge is disposed of at the Gloucester County Landfill, via the Stormont Transfer Station. The latest DEQ Wastewater Facility Inspection report is attached.
35. **DIRECT** – Middle Peninsula Regional Security Center, c/o David Harmon, Superintendent, PO Box 403, Saluda 23149. Population served – 200 to 230 inmates and staff (2003 figures). VPDES Permit # VA0073318. Treatment processing involves a barscreen, comminutor, equalization basin, aeration basin, clarifier, sludge holding tank, chlorine contact tank and the weir box.

### ON-SITE DEFICIENCIES

1. **DIRECT - NO FACILITIES** – 20 Island Drive, Urbanna 23175. Dwelling-new construction site-2 story with 3 car garage, black shingled roof with cinder block foundation. Portable toilet for use while plumbing is installed. No Contact. Sanitary Notice issued 2/15/05 to field #1. Tax Map # 20A 30 5.
15. **CONTRIBUTES POLLUTION** – 5280 Old Virginia Street, Urbanna 23175. Dwelling-1 story with light green siding, white shutters and gray roof. Effluent erupting onto ground surface. No Contact. Sanitary Notice issued 2/7/05 to field #168. Tax Map # 19 169.
16. **CONTRIBUTES POLLUTION** – 5156 Old Virginia Street, Urbanna 23175. Dwelling-2 story with white siding, green shingles and black shutters. Unapproved lid on septic/grease trap. Sanitary Notice issued 2/7/05 to field #170. Tax Map # 19 168A.
18. **CONTRIBUTES POLLUTION** – (Kitchen or Laundry Wastes) - 780 Town Bridge Road, Saluda 23149. Dwelling- wood siding with metal roof and solar heating panels. 1 person. Grease Trap Lid is broken with a piece missing. Sanitary Notice issued on 3/1/05 to field #180. Tax Map # 26 75.
19. **CONTRIBUTES POLLUTION** – 18 East Hickory Road, Urbanna 23175. Dwelling-gray double-wide with white trim, red shutters and black roof. No Contact. Septic area is covered with plywood. Sanitary Notice issued 2/9/05 to field #230. Tax Map # not found.
20. **CONTRIBUTES POLLUTION** – 1985 Town Bridge Road, Urbanna 23175. Dwelling-gray cinder block with gray shingles. 4 persons. Lid broken on tank/grease trap top. Evidence of effluent erupting onto ground surface. Sanitary Notice issued 2/9/05 to field #235. Tax Map # 19 165.

23. CONTRIBUTES POLLUTION – (Kitchen or Laundry Wastes) – 3882 Old Virginia Street, Urbanna 23175. Dwelling-2 story with yellow siding and white trim. No Contact. Effluent is pooling around grease trap onto ground surface. Sanitary Notice issued on 2/15/05 to field #260. Tax Map # 19 95.
24. CONTRIBUTES POLLUTION – 1629 Warner Road, Urbanna 23175. Dwelling- white mobile home with gold trim. No Contact. Effluent is pooling onto ground surface in rear of home. Sanitary Notice issued on 2/15/05 to field #278. Tax Map # not found.
25. CONTRIBUTES POLLUTION – 1500 Warner Road, Urbanna 23175. Dwelling- white siding with metal roof and screened porch. No Contact. Area in yard covered with plywood appears to be septic area. Sanitary Notice issued on 2/15/05 to field #281. Tax Map # 19B 1 1A.
27. CONTRIBUTES POLLUTION– 56 West Hickory Neck Road, Saluda 23149. Dwelling - 2 story with yellow siding and white trim. 4 persons. Area over drainfield has tall dark green grass. A visiting relative (owner of the camper) stated that the septic tank had been recently pumped.  
  
NO FACILITIES-A camper is set up in the yard. Two people are living in it. The initial visit made on 2/16/05 found the owner of the property not home so I spoke with the owner of the camper. He stated that he was only visiting his relatives. A second visit was made on 2/23/05. The camper was still there and had not been moved. Also, water was pooling around the septic tank lid which was located approximately 6 feet from the camper. This visit found the owner of the property at home. I spoke with her about the situation. She stated that the camper is taken to a dump site and emptied as needed. It was obvious that the camper had not been moved for some time. A letter explaining the situation was sent to the local health department on 2/17/05 stating that a second visit would be made in one week. Sanitary notice was issued on 2/23/05 to field #304. Tax Map # 18 149.
29. CONTRIBUTES POLLUTION – 156 Watson Landing, Saluda 23149. Dwelling-1 story vinyl siding painted white, (previously light gray and is peeling paint) with black roof and black shingles. No Contact. Effluent is pooling onto ground. Areas of yard have tall dark grass. Sanitary Notice issued on 2/22/05 to field # 379. Tax Map # 26B 2 10.
31. CONTRIBUTES POLLUTION – 96 Watson Landing, Saluda 23149. Dwelling-Tri-level brick house with white siding and black shutters. No Contact. Effluent pooling onto ground surface. Area covered with boards. Grass over drainfield is tall and dark green. Sanitary Notice issued on 2/22/05 to field # 382. Tax Map # 26B 2 13.
32. CONTRIBUTES POLLUTION – 50 Watson Landing, Saluda 23149. Dwelling-1 story with basement, sandy colored siding, dark gray roof with black shutters. Area over drainfield may be pooling effluent onto ground. Unable to inspect up close due to dog in yard. Sanitary Notice issued on 2/22/05 to field #383. Tax Map # 26B 2 3.
33. NO FACILITIES- 819 General Puller Highway, Saluda 23149. c/o Hurley LLC, PO Box 178, Urbanna 23175. Business-1 story beige paint (peeling) with white trim and green shingles. Sanitary Notice issued 2/25/05 to field # 390. Tax Map # 26B 179.

38. CONTRIBUTES POLLUTION – 453 Urbanna Road, Urbanna 23175. Business-Coventry Restorations, (car restorations), 2 story gray vinyl siding. No Contact. Unapproved lid covering. Sanitary Notice issued on 3/7/05 to field # 487. Tax Map # 27 5 6.
39. CONTRIBUTES POLLUTION – 819 Urbanna Road, Urbanna 23175. Dwelling-2 story white siding with red roof. No Contact. Area over septic has collapsed. A hard plastic covering has been laid on top of the area. Sanitary Notice issued on 3/7/05 to field # 489. Tax Map # 27 19.
40. CONTRIBUTES POLLUTION – 863 Urbanna Road, Urbanna 23175. Dwelling-1½ story white siding with green shingles. No Contact. Effluent is pooling onto ground surface. A 4-inch black drain pipe has been laid to channel the effluent into the woods. Sanitary Notice issued on 3/7/05 to field # 490. Tax Map # 27 18.

#### **POTENTIAL POLLUTION**

14. Location: 49 Lillie Lane, Urbanna 23175. Dwelling-white mobile home with black trim. No Contact. Area over drainfield soft. No effluent or odor detected.
17. Location: appears as 2138 Town Bridge Road, Urbanna 23175 on 911 map. Dwelling-1 story white siding with green metal roof. No Contact. Unable to locate drainfield or septic. Two areas were found that were questionable. One area was a well curving which was covered with plywood and debris. The other area was covered with plywood and was located under an oil barrel. A vent pipe was found on the house. Sanitary Notice issued on 2/7/05 to field #173. Tax Map # 19E 17.
21. Location: 4520 Old Virginia Street, Urbanna 23175. Dwelling-yellow siding with black/gray shingles. No Contact. Area over septic area soft. No effluent or odor detected.
22. Location: 4290 Old Virginia Street, Urbanna 23175. Dwelling-white shingles and brown board siding. No Contact. Area over drainfield is soft. No effluent or odor detected.
30. Location: 118 Watson Landing, Saluda 23149. Dwelling-brick rancher with gray shingles and dark green shutters. Area over drainfield is soft. No effluent or odor detected.
37. Location: 1491 Gen. Puller Highway, Saluda 23149. Dwelling-1 story white siding with black shutters and light gray roof. 2 persons. Owner states in extreme wet weather that toilets are hard to flush. No signs of malfunctioning system. Area was soft from recent rains.

#### **SECTION C: NON-SEWAGE WASTE SITES**

##### **INDUSTRIAL WASTES**

18. Location: 780 Town Bridge Road, Saluda 23149. Private airplane hanger. Steel Building. 1 person. One 5000 gallon aviation fuel tank outside of hanger (empty at time of survey). No Berm.

36. Location: 455 General Puller Highway, Saluda 23149. Virginia Department of Transportation, Saluda Residency and Area Maintenance Headquarters, PO Box 184, Saluda 23149. State Highway Shop. Approximately 47 employees. On-site are 1 ten thousand gallon tank of potassium acetate and five hundred gallon tanks of waste oil without berms. Run-off from the salt management pond is directed to a retention pond that is pumped out by a private contractor as needed. A new storm water retention basin is under construction at rear of property. A site diagram, prepared by Debra Barnes, Residency Environmental Specialist-Saluda, of this facility is included with the report.

#### **SOLID WASTE DUMPSITES**

28. Location: appears on 911 map as part of 235 Forest Chapel Road, Saluda 23149. Leisures Wrecker Service-Police Impound Lot. Fenced Lot used to impound vehicles that have been confiscated, wrecked, etc. by local police. At time of survey eleven vehicles were impounded inside and outside of fenced area.

#### **SECTION D: BOATING ACTIVITY**

##### **MARINAS**

2. Cove Association, Inc., c/o John Gilbert, 5514 Sandy Folly Court, Fairfax Station, Va. 22039-1032. Private Marina. Facility #537. 10 Seasonal slips with boat ramp. 0 boats present at time of survey. Electricity and water are available. Owner has an alternate pump-out agreement with Urbanna Yachting Center, Facility # 618. On-shore restroom facilities, dump station facilities, and boat holding tank pump-out facilities are exempt. Solis waste containers are provided.
3. Queen Anns Cove Yacht Club, Urbanna 23175. Owners: Queen Anns Cove Yacht Club Association, c/o John Gilbert, President, 5514 Sandy Folly Court, Fairfax Station, Va. 22039-1032. Private Marina. Facility #590. 24 Seasonal slips available. 0 boats present at time of survey. Electricity and water are available. An in-out ramp is shared with the Cove Association, Inc., Facility #537. Owner has an alternate pump-out agreement with Urbanna Yachting Center, Facility # 618. On-shore restroom facilities, dump station facilities and boat holding tank pump-out facilities are exempt.
4. Town of Urbanna, Urbanna 23175. Formerly named Jamison Cove Marina. This property is currently being restored by the Town of Urbanna. According to the town office a new marina will be built and all of the docks will be repaired or replaced. At the time of the survey, there was electric at the site, dock restoration was in progress. A portable toilet was on the premises. Anchored off of the docks was one pleasure boat 20-25 ft. in size.
5. Montague Boat Dock, c/o Robert Montague, 1007 King St. Alexandria, Va. 22314. Facility # 579. No Contact. 15 Seasonal slips are available. At time of survey 9 boats >26 ft. in size were present. No Contact. Last survey reported that Mr. Montague has an exemption to the requirement to provide boat holding tank pump-out facilities and that dump station facilities have been grandfathered under the 1975 **Sanitary Regulations for Marinas and Boat Moorings**, (Regulations). Water and electricity are provided.

8. Port Urbanna Yachting Center, c/o Diana Allison, Manager, PO Box 88, Urbanna 23175. Owner: Dozier Yachting Center, PO Box 1188, Deltaville 23043. Commercial Marina. Facility #607. Seasonal Slips/Moorings available are 58 with 20 Dry Storage Spaces. At time of survey, 45 pleasure boats were docked with 4 in Dry Storage. Restroom facilities are available with sewage disposal to the Town STF. Electricity, water, boat repair, and dump station facilities, solid waste containers and boat holding tank pump out facilities are provided.
9. Urbanna Yachting Center, Owner: Jim Scott, PO Box 397, Urbanna 23175. Commercial Marina. Facility # 618. Seasonal Slips/Moorings available are 85. At time of survey, 71 pleasure boats were docked. Restroom facilities are available with sewage disposal to the Town STF. Fuel, electricity, water, boat repair, solid waste containers and sewage holding tank pump out are provided. Dump station facilities are available at Urbanna Bridge Marina
10. Urbanna Bridge Marina, No Contact. Commercial Marina. Facility # 1483. Seasonal Slips available are 30. Present at time of survey were 21 pleasure boats. Restroom facilities are available with sewage disposal to the Town STF. Electricity, water, dump station facilities, and solid waste containers are available.
41. Urbanna Harbour Yacht Club, c/o Bob Howard Manager, PO Box 404, Urbanna 23175. Private Marina for Urbanna Harbour Property Owners. Facility # 617. Seasonal Slips/Moorings available are 129. At time of survey, 100 boats were docked. Restroom facilities are available. Sewage disposal is by septic tank with drainfield which was found in satisfactory condition at time of inspection. Electricity, water, dump station facilities, sewage holding tank pump out facilities and solid waste containers are provided.

#### **OTHER PLACES WHERE BOATS ARE MOORED**

6. Paynes Crab House, Owner: Town of Urbanna, No Contact. Facility # 1257. Closed for season. At time of survey, 1 pleasure boat was docked. Seasonal Slips/Moorings available are 3. According to the Marina Inspection Form, restroom facilities and solid waste containers are available.
7. Bushey's Marine Salvage, Owner: David Bushey. 2 employees. Restroom facility is available with sewage disposal to the Town STF. At time of survey, 3 workboats were docked. Electric, water and solid waste containers are provided.

#### **UNDER SURVEILLANCE**

1. Location: 20 Island Drive, Urbanna 23175. Dwelling-new construction site-2 story with 3 car garage, black shingled roof with cinder block foundation. No Contact. Available are 3 slips. Electricity, water and boat lifts are available. There were no boats docked at time of survey.
11. Garnett Hill Association, Located on SR 1016 Nimcock Rd. Facility # 1446. No Contact. At present, there are no contact names for this location. At time of survey there were no boats docked. There are no services available at this location.
34. Saluda Landing, end of State Route 618 (Oakes Landing Road), Saluda 23149. Owner: Department of Game and Inland Fisheries, 4010 West Broad Street, Richmond 23230. Facility # 1474. Public Boat Landing. No Contact. There were no

boats present at time of survey. An in-out ramp is provided. No other services are available.

#### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

12. ***DIRECT*** – Location: 597 Laurel Hill Drive, Urbanna 23175. Dwelling-2 story brick with white trim and gray roof. 2 persons. Present at time of survey were 4 horses and 4 dogs approximately ±200 feet from Urbanna Creek. Manure is hauled off.
26. ***DIRECT*** – Location: 234 West Hickory Neck Road, Saluda 23149. Dwelling-1 story with brown wood shingles, white trim and gray shingled roof. No Contact. Present at time of survey were 3 horses, approximately 20 chickens, 2 dogs, 20-25 Guinea Hens and 3 goats less than 700 feet from the head of Town Bridge Swamp that feeds into Urbanna Creek. Manure was on ground surface.



## SUMMARY

**AREA 29**  
**URBANNA CREEK**  
**April 5, 2005**

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

2 – DIRECT - # 13, 35

0 – INDIRECT – NONE

2 – B-1. TOTAL

#### 2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT - None

14 – CONTRIBUTES POLLUTION, INDIRECT- #15, 16, 19, 20, 24,  
25, 27, 29, 31, 32, 38, 39, 40

0 – CP - (Kitchen or Laundry Wastes), DIRECT – None

2 – CP - (Kitchen or Laundry Wastes), INDIRECT - #18, 23

1 – NO FACILITIES, DIRECT – 1

2 -- NO FACILITIES, INDIRECT - #27, 33

19 – B.2. TOTAL

#### 3. POTENTIAL POLLUTION

Periodic surveillance of these properties will be maintained to determine any status change.

6 – POTENTIAL POLLUTION - #14, 17, 21, 22, 30, 37

### SECTION C: NON-SEWAGE WASTE SITES

#### 1. INDUSTRIAL WASTE SITES

0 – DIRECT – None

2 – INDIRECT - #18, 36

2 – C.1. TOTAL

#### 2. SOLID WASTE SITES

0 – DIRECT – None

1 – INDIRECT - #28

1 – C.2. TOTAL

### SECTION D: BOATING ACTIVITY

8 – MARINAS - #2, 3, 4, 5, 8, 9, 10, 41

2 – OTHER PLACES WHERE BOATS ARE MOORED - #6, 7

3 – UNDER SURVEILLANCE - #1, 11, 34

13 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

2 – DIRECT - #12, 26

0 – INDIRECT – None

2 – E. TOTAL



